

7/19/5
DIALOG(R) File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

06048884 **Image available**
SEALING DEVICE

PUB. NO.: 10-331984 [JP 10331984 A]
PUBLISHED: December 15, 1998 (19981215)
INVENTOR(s): WATANABE TATSUHIKO
APPLICANT(s): NOK CORP [000438] (A Japanese Company or Corporation), JP
 (Japan)
APPL. NO.: 09-152910 [JP 97152910]
FILED: May 27, 1997 (19970527)
INTL CLASS: [6] F16J-015/32
JAPIO CLASS: 22.1 (MACHINERY -- Machine Elements); 14.2 (ORGANIC CHEMISTRY
 -- High Polymer Molecular Compounds)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a sealing device having excellent sealing performance stably with simple constitution.

SOLUTION: A first sealing member 30 formed of rubber elastic material is integrally formed at a metal ring 20 and has a radial part 32 provided almost parallel with an inward flange part 22, and a lip part 33, and a pump screw 34 is provided at the sliding face of the lip part 33 to a shaft. A second sealing member 40 has a clamped part 41, a lip part 42 and a bent part 44 and is formed of resin (PTFE or the like). The root of the lip part 33 of the first sealing member 30 is supported by the tip part of the lip part 42 so as to prevent excessive deformation of the lip part 33 and to maintain sealing performance of the lip part 33. A pump groove 43 is provided at the sliding face of the lip part 42 to the shaft, and an annular recessed part 10 is provided at the radial part 32 of the first sealing member 30.

C:\Program Files\Dialog\DialogLink\Graphics\3B.bmp

